

**ABSTRACT FOR 3rd WORLD CONGRESS ON INTEGRATION
AND ISLAMICISATION 2021**

MENTAL HEALTH & WELL BEING IN THE 4th INDUSTRIAL REVOLUTION

Held from 4-6 June 2021

**INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA,
KUANTAN, PAHANG, MALAYSIA**

Editorial Information

Scientific Committee/Abstract Editors

Assoc. Prof. Dr. Nora Mat Zin
Asst. Prof. Dr. Sarah Rahmat
Asst. Prof. Dr. Edre Mohammad Aidid
Asst. Prof. Dr. Azrul Safuan Mohd Ali
Asst. Prof. Dr. Muhammad Salahuddin Haris @ Harith
Asst. Prof. Dr. Syahrir Zaini

List of Reviewers

Theme 1

Asst. Prof. Dr. Azrul Safuan Mohd Ali (Section Editor)
Assoc. Prof. Dr. Abdurezak Abdulahi Hashi
Assoc. Prof. Dr. Che Suraya Mohd Zin
Asst. Prof. Dr. Izzat Fahimuddin Mohamed Suffian
Asst. Prof. Dr. Shaiful Ehsan Shalihin
Asst. Prof. Dr. Mohamad Firdaus Mohamad Ismail

Theme 2

Asst. Prof. Dr. Muhammad Salahuddin Haris @ Harith (Section Editor)
Asst. Prof. Dr. Ramzi Bendebka
Asst. Prof. Dr. Munirah Sha'ban
Assoc. Prof. Dr. Zarina Zainuddin
Asst. Prof. Dr. Rosliza Mohd Salim
Asst. Prof. Dr. Intan Azura Shahdan
Asst. Prof. Dr. Syahrir Zaini

Theme 3

Asst. Prof. Dr. Sarah Rahmat (Section Editor)
Assoc. Prof. Dr. Nora Mat Zin
Asst. Prof. Dr. Rozanizam Zakaria
Asst. Prof. Dr. Muhamad Ashraf Rostam
Asst. Prof. Dr. Siti Roshaidai Mohd Arifin
Asst. Prof. Dr. Mohamed Hassan Abdelaziz Elnaem

Theme 4

Asst. Prof. Dr. Edre Mohammad Aidid (Section Editor)
Asst. Prof. Dr. Nur Jannah Hassan @ Mohamed (Section Editor)
Asst. Prof. Dr. Ssuna Salim
Asst. Prof. Dr. Ahmad Nabil Md Rosli
Asst. Prof. Dr. Ali Sabri Radeef Al-Ani
Asst. Prof. Dr. Che Anuar Che Mohamad

TABLE OF CONTENTS

Abstract No	Title	Page
PP172	Factors of Mental Health in the Quran: A Thematic Analysis	91
OP173	Islamic Principles Governing Self Integrity towards Sustainable Construction Industry	92
OP174	Good Health and Happiness through Responsible Architecture	93
OP186	Muslim Dietitian-Patient Spiritual Conversations and Its' Challenges: A Cross-Sectional Study	94
PP203	"I need help": A Study of Spiritual Distress among People Diagnosed with Bipolar Disorder in Malaysia	95
PP211	Microbiome Dysbiosis In Depression: A Systematic Review	96
PP216	Psycho-educational Affirmations from the Quran on Sadness to Prevent/Treat Depression for Muslim Clients of Cognitive Behaviour Therapy Approach	97
OP217	A Proposal of Psychological Well Being Dimensions in Islamic Perspective	98
OP222	The Association between Physical Activity Status and Mental Wellbeing among Overweight and Obese Female Students	99
OP226	Mental Health Burden from COVID-19: Findings from a Single Hybrid Hospital in Northwest Malaysia	100
OP228	Predictors of Subjective Well Being Among Malaysian University Hospital Staff: A Cross-Sectional Study	101
OP230	Sadness, Psychoreligio-Spiritual Dimension and Cultural Misperception: Implication for Psychotherapeutic Practice of the Healthcare	102
OP232	Healthcare Practitioners' Views on Postnatal Mental Illness among Postnatal Mothers in Malaysia	103
OP234	Incident of Sihir upon Prophet Muhammad PBUH: Analyses of Narrations, Mental Capacity, and Its Implication on Revelation	104
OP236	Motivational Interviewing Approach in Overcoming Drug Addicts Distrust	105
PP237	Patient Trying to Tell Something Else: Severe Stress during COVID19 Pandemic	106
PP239	Tele-Counselling Services for Clients During Covid19 Pandemic	107
OP240	"My Soul is Empty...": The Intensive Care Patients' and The Family Members' Experience of Spiritual Care	108
OP241	A Review of the Incidence of Depression and the Practice of Coping by the Patients with Diabetes	109
OP243	Theosophical Elements in Iqbal's Magnum Opus "The Reconstruction of Religious Thought in Islam": A Preliminary Review	110
OP248	Community Mental Health Service in Malaysia from the Perspective of Maqasid Shariah	111
OP252	Investigating Perception of Muslims with Hearing Impairment towards Islamic Understanding and Practice	112
OP253	INSPIRE: Islamic Spiritual Care Awareness Program for Medical Personnel at SASMEC @IIUM: Our Experience	113
OP257	Recovery of Obsessive-Compulsive Disorder (OCD) In Al-Quran: An Analysis	114
OP260	Tadabbur al-Quran and its Implications for the Well-Being of the Mind and Emotions in the Situation of the Movement Control Order	115
OP261	Preliminary Findings of Auditory Brainstem Response using Dhikr Stimulus on a Healthy-normal Hearing Adult	116
PP263	The Concept of Resilience and Spirituality among Cancer Surviving Women	117
OP267	Understanding Crisis from Various Religions' Perspective: An Exploratory Study towards Developing a Religious-Based Self-Care Practices for Wellbeing	118
OP274	The Positive Mental Health in Quranic Perspective: Its Concept and Methods of Promotion	119
OP278	Meaning of Life and Life Satisfaction among International Students during the Covid-19 Pandemic	120
PP148	Impact of Medical and Spiritual Counselling on the Mental Health of Parent During Their Child's Illness	121
OP175	The Table of Self-Accountability According to the Purposes of Shariah and Its Impact on the Integrity of An Individual and Society	122

THEME 4:
INTEGRATION OF SPIRITUALITY & MENTAL HEALTH

Microbiome Dysbiosis In Depression: A Systematic Review

Mohd Hafiz Arzmi^{1,*}, Nurul Alia Risma Rismayuddin¹, Wan Nur Fatimah Wan Mohd Kamaluddin¹, Ahmad Faisal Ismail¹, Rozanizam Zakaria², Noor Afifah Hanin Mohamad¹, Munirah Mokhtar¹

¹ Kulliyyah of Dentistry, International Islamic University Malaysia, Jalan Sultan Ahmad Shah, 25200 Kuantan, Pahang

² Kulliyyah of Medicine, International Islamic University Malaysia, Jalan Sultan Ahmad Shah, 25200 Kuantan, Pahang

*Corresponding author's email: hafizarzmi@iium.edu.my

ABSTRACT

The objective of the study is to determine the role of microbiome dysbiosis in depression, with the hypothesis that dysbiosis involves in depression. PubMed, Science Direct and Scopus databases were used to identify the relevant studies which fulfilled the eligibility criteria. The searches were limited from January 2015 to July 2020. Joanna Briggs Institute (JBI) Critical Appraisal Tools was used for quality assessment of the studies. This review was performed according to the Preferred Reporting Items for Systematic Review and Meta-analysis (PRISMA-P) 2015 protocol guidelines. Initially, 1297 studies were identified. Of these, only three studies were included in the final synthesis. The studies were categorised as "high" quality. Dysbiosis of the gut microbiome, particularly by *Faecalibacterium*, *Dialister*, *Acetivibrio*, *Collinsella*, and *Odofibacter*, has been involved in depression. Treatment using probiotics such as *Lactobacillus acidophilus*, *Bifidobacterium longum* and *Enterococcus faecalis* was suggested to promote a balanced gut microbiome. Microbiome dysbiosis may involve in depression, thus supporting the hypothesis of the present study. However, no consensus was obtained to conclude which bacterial taxa are mostly relevant to depression.

Keywords: Microbiome, Dysbiosis, Depression, Mental health, Systematic review